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With a revised version of the international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendmenis.

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(54) Title: QUINOLINE, NAPHTHYRIDINE AND PYRIDOBENZOXAZINE DERIVATIVES

(57) Abstract

Novel antibacterial compounds are disclosed having formula (I) as well as pharmaceutically acceptable salts, esters, amide and prodrugs thereof, wherein R¹ is selected from the group consisting of (a) lower alkyl, (b) halo(lower alkyl), (c) lower alkyl(alkynyl), (d) lower cycloalkyl, (e) lower alkylamino, (f) nitrogen-containing aromatic heterocycle, (g) bicyclic alkyl and (h) phenyl; R² is selected from the group consisting of hydrogen, lower alkyl, a pharmaceutically acceptable cation, and a prodrug ester group; R3 and R4 are independently selected from the group consisting of hydrogen, halogen, amino, and lower alkyl; R⁵ is either a nitrogen-containing heterocycle or a nitrogen-containing spiro-bicyclic-heterocycle; and A is N or C-R6, wherein R6 is selected from the group consisting of hydrogen, halogen, lower alkyl, and lower alkoxy, or R1 and R6 taken together with the atoms to which they are attached form a 6-membered ring which may contain an oxygen or sulfur atom and which may be substituted with lower alkyl; as well as pharmaceutical compositions comprising such novel compounds and the therapeutic use thereof.

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REVISED VERSION

INTERNATIONAL SEARCH REPORT

International application No. PCT/US91/09419

IPC(5) US CL	SSIFICATION OF SUBJECT MATTER :Please See Extra Sheet. :Please See Extra Sheet. to International Patent Classification (IPC) or to both	national classification and IPC					
B. FIELDS SEARCHED							
Minimum d	ocumentation searched (classification system follower	d by classification symbols)					
U.S.: 544/6, 32, 33, 63, 70, 89, 101; 546/15, 94, 123, 169, 170, 278, 300, 312, 224-5, 230-2							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)							
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.				
x	EP,A2, 326/916 (PETERSEN)		1-4,7,9,10				
	09 AUGUST 1989 See ex. 12; page 2; table examples 39	-43; ex. 6-10					
x	JP,A2, 58-72589 (DAIICHI) 30 APRIL 1983		1-4,7,9.10				
	See page 788 ex 19						
	lived in the continuation of Box C	See patent family annex.					
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US91/09419

A. CLASSIFICATION OF SUBJECT MATTER: IPC (5):					
A61K 31/47,31/54,31/535,31/44,C07D 405/14,401/10,C07D 455/06; 279/02; 279/08,279/14,265/02;265/16;265/34	! ;				
A. CLASSIFICATION OF SUBJECT MATTER: US CL:					
544/6,32,33,63,70,89,101,546/15,94,123,169,170,278,300,312,224.5,230,2					
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INTERNATIONAL SEARCH REPORT

International application No. PCT/US91/09419

Box 1 Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: I. Claims 1-7(part), 8,9-10(part) Bicyclic Core II. Claims 1-7(part),9-10(part) Tricyclic Core
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet(1))(July 1992)*